



A/C-30c — Onboard Detection of Wake Turbulence Encounters

This Enabler covers an airborne function to automatically and objectively identify in-service wake turbulence encounters to support improved operational safety.

The Enabler supports operational monitoring after introduction of new concepts such as static or dynamic pair-wise separations, enhanced arrival procedures using increased glide slopes or displaced touch-down zones, or fleet changes such as introduction of new very large transport aircraft. It supports the building of statistical databases as basis for future concept and procedure developments.

This Enabler aims to provide efficient and objective inputs for wake vortex encounter risk monitoring as recommended by EC Regulation No. 1035/2011 "Common Requirements", Annex II or ICAO State Letter AN 13/4-07/67, and technically specified in the RECAT-EU safety case report.

Category SYSTEM

Stakeholder Airspace User

Civil

Civil Scheduled Aviation

Civil Business Aviation-Fixed Wing

Military

Military Transport

V3 End 31-08-2019

V4 Start 31-08-2021

V5 Start 31-08-2023

V4 End 31-08-2023

V5 End 31-08-2023

Airspace User: 31-08-2023

Civil

Civil Scheduled Aviation: 31-08-2023

Civil Business Aviation-Fixed Wing: 31-08-2023

Military

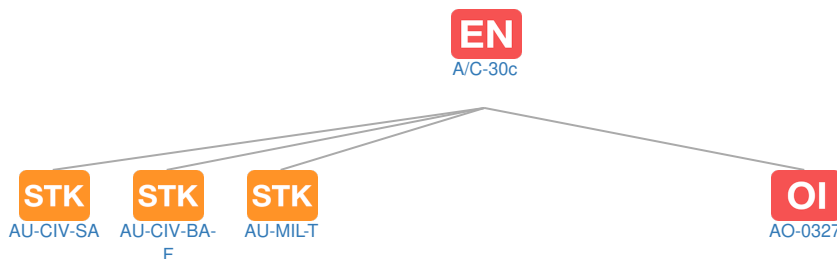
Military Transport: 31-08-2023

IOC 31-08-2023

FOC 31-08-2029

Context

Related Elements





OI Operational Improvement Steps

| Code | Benefits start date (IOC) - Full benefit date (FOC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|---|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | |
| A/C-30c | | | | | ▲ | | | V4 | IOC - FOC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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EN Dependent Enablers: No associated data

PCP PCP Elements: No associated data

STK Stakeholders

| Code | Title | Related Elements |
|-------------|------------------------------------|---|
| AU | Airspace User | EN |
| AU-CIV-BA-F | Civil Business Aviation-Fixed Wing | EN |
| AU-CIV-SA | Civil Scheduled Aviation | EN  |
| AU-MIL-T | Military Transport | EN  |

 Standards: No associated data

OBJ Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

PJ SESAR Workpackages: No associated data